# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 6.1.3 |
| Input Device: | Carousel | Date: | 03/31/2017 12:07 PM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 01/30/2017 11:23 AM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

## Detector Settings

| Laser | Detector | Parameter | Target Value | Actual Target Value | % Difference Target Value | Bright Bead % Robust CV | Mid Bead Median Channel | Mid Bead % Robust CV |
|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 125000 | 124003 | -1 | 1.49 | 123891 | 1.46 |
| Blue | F | SSC | 125000 | 123964 | -1 | 2.70 | 124345 | 2.53 |
| Blue | E | FITC | 21625 | 20966 | -4 | 2.41 | 933 | 9.98 |
| Blue | D | PE | 26832 | 26394 | -2 | 1.88 | 947 | 9.42 |
| Blue | B | PerCP-Cy5-5 | 48027 | 47717 | -1 | 3.17 | 1363 | 16.22 |
| Blue | A | PE-Cy7 | 40971 | 40476 | -2 | 4.81 | 632 | 33.77 |
| Red | C | APC | 49746 | 49189 | -2 | 2.76 | 2840 | 9.35 |
| Red | A | APC-Cy7 | 53615 | 52931 | -2 | 3.05 | 1098 | 11.17 |
| Violet | B | V450 | 14488 | 13732 | -6 | 5.70 | 660 | 9.77 |
| Violet | A | V500 | 55123 | 52739 | -5 | 5.55 | 2338 | 7.39 |

## Detector Settings (Continued)

| Laser | Detector | Parameter | Dim Bead Median Channel | Dim Bead % Robust CV | PMTV | Δ PMTV | Qr | Br | P/F |
|---|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 18531 | 4.97 | 600 | 2 | N/A | N/A | Pass |
| Blue | F | SSC | 61679 | 1.52 | 533 | -1 | N/A | N/A | Pass |
| Blue | E | FITC | 106 | 38.44 | 534 | -2 | 0.0222 | 200 | Pass |
| Blue | D | PE | 208 | 27.97 | 529 | -2 | 0.1739 | 239 | Pass |
| Blue | B | PerCP-Cy5-5 | 214 | 44.30 | 626 | -3 | 0.0112 | 151 | Pass |
| Blue | A | PE-Cy7 | 70 | 115.31 | 675 | -6 | 0.0132 | 23 | Pass |
| Red | C | APC | 333 | 27.23 | 591 | -3 | 0.0208 | 67 | Pass |
| Red | A | APC-Cy7 | 121 | 40.18 | 575 | -5 | 0.0057 | 1733 | Pass |
| Violet | B | V450 | 79 | 42.80 | 471 | 0 | 0.0491 | 2072 | Pass |
| Violet | A | V500 | 170 | 24.95 | 496 | 0 | 0.0171 | 1416 | Pass |

## Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 6.1.3 |
| Input Device: | Carousel | Date: | 03/31/2017 12:07 PM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 01/30/2017 11:23 AM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Laser Settings

| Laser | Power (mW) | Power Spec. (mW) | Current (mA) | Current Spec. (mA) | Delay (Trigger on FSC) | Delay (Trigger on Fluorescence) | Area Scaling Factor |
|---|---|---|---|---|---|---|---|
| Violet | 59.55 | 47.98 - 71.98 | N/A | N/A | -32.20 | -31.79 | 0.82 |
| Blue | 20.35 | 16.27 - 24.41 | 1.26 | 0.99 - 1.49 | 0.00 | 0.00 | 1.31 |
| Red | 16.80 | 13.27 - 19.91 | N/A | N/A | 31.87 | 32.25 | 1.13 |

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

## Threshold

Threshold (FSC): 9536

## Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments